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ATTORNEY DOCKET NO. 21108.0060U4  
PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of	)	
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<b>COLEMAN ET AL.</b>	)	Art Unit:    Unassigned
	)	
Application No.    10/821,653	)	Examiner:    Unassigned
	)	
Filing Date:    April 9, 2004	)	Confirmation No.    8802
	)	
For:    MOLECULAR MARKERS FOR THE	)	
DIAGNOSIS OF ALZHEIMER'S	)	
DISEASE	)	

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.  
Customer Number 23859

April 14, 2006

Sir:

Pursuant to the requirements of 37 C.F.R. § 1.56, submitted herewith on the accompanying Information Disclosure Statement List is a listing of documents known to Applicants and/or their attorneys. In accordance with 37 C.F.R. §1.98(a)(2), copies of any cited U.S. patent or U.S. patent application publication documents are not enclosed. Copies of any cited foreign patent document and/or any non-patent publication are enclosed.

This Information Disclosure Statement is believed to be filed in a timely manner pursuant to 37 C.F.R. § 1.97(b)(3), in that a first Office Action on the merits of the present patent application has not yet been mailed to Applicants.

Consideration of the cited documents and making the same of record in the prosecution of the above-referenced application are respectfully requested.

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**Application No. 10/821,653**

No fee is believed due; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

NEEDLE & ROSENBERG, P.C.



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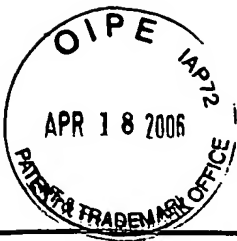
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**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8**

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Christopher L. Curfman

April 19, 2006  
Date



<b>INFORMATION DISCLOSURE STATEMENT LIST</b>  (Use as many sheets as necessary)	Complete if Known	
	Application No.	10/821,653
	Filing Date	April 9, 2004
	First Named Inventor	Coleman <i>et al.</i>
	Group Art Unit	Unassigned
	Examiner Name	Unassigned

U.S. PATENT DOCUMENTS							
Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	A1	6,500,938	12/31/02	Au-Young <i>et al.</i>	536	023.1	
	A2	6,287,793	09/11/01	Schenk <i>et al.</i>	435	007.1	
	A3	6,238,892	05/29/01	Mercken <i>et al.</i>	435	007.1	
	A4	6,190,857	02/20/01	Ralph <i>et al.</i>	435	004	
	A5	5,952,481	09/14/99	Markham <i>et al.</i>	536	023.2	
	A6	5,811,310	09/22/98	Ghanbari <i>et al.</i>	436	518	
	A7	5,695,932	12/09/97	West <i>et al.</i>	435	006	
	A8	5,665,549	09/09/97	Pinkel <i>et al.</i>	435	006	
	A9	5,631,147	05/20/97	Lohman <i>et al.</i>	435	091.2	
	A10	5,563,033	10/08/96	Lawrence <i>et al.</i>	435	006	
	A11	5,538,869	07/23/96	Sicilano <i>et al.</i>	435	091.2	
	A12	5,523,204	06/04/96	Singer <i>et al.</i>	435	005	
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FOREIGN PATENT DOCUMENTS				
Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name
				Translation Yes/No

NON-PATENT DOCUMENTS		
Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
	A19	Abraham <i>et al.</i> , "Immunochemical Identification of the Serine Protease Inhibitor $\alpha_1$ -Antichymotrypsin in the Brain Amyloid Deposits of Alzheimer's Disease," <i>Cell</i> , 52:487-501 (1988)
	A20	Aksenova <i>et al.</i> , "The Decreased Level of Casein Kinase 2 in Brain Cortex of Schizophrenic and Alzheimer's Disease Patients," <i>FEBS Lett.</i> , 279:55-57 (1992)
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	A22	Alonso <i>et al.</i> , "Role of Abnormally Phosphorylated Tau in the Breakdown of Microtubules in Alzheimer Disease," <i>Proc. Nat'l Acad. Sci. U.S.A.</i> , 91(12):5562-6 (1994)

Examiner Signature:	Date Considered:
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	A23	Anderson <i>et al.</i> , "An Alternative Secretase Cleavage Produces Soluble Alzheimer Amyloid Precursor Protein Containing a Potentially Amyloidogenic Sequence," J. Neurochem., 59:2328-31 (1992)	
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	A26	Arendt <i>et al.</i> , "Expression of the Cyclin-Dependent Kinase Inhibitor p16 in Alzheimer's Disease," Neuroreport, 7(18):3047-9 (1996)	
	A27	Arriagada <i>et al.</i> , "Neurofibrillary Tangles but Not Senile Plaques Parallel Duration and Severity of Alzheimer's Disease," Neurology, 42:631-639 (1992)	
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	A40	Callahan <i>et al.</i> , "Neurons Bearing Neurofibrillary Tangles Are Responsible for Selected Synaptic Deficits in Alzheimer's Disease," Neurobio. Aging, 16:311-314 (1995)	

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A41		Callahan <i>et al.</i> , "Preliminary Evidence: Decreased GAP-43 Message in Tangle-Bearing Neurons Relative to Tangle-Free Neurons in Alzheimer's Disease," <i>Neurobiol. Aging</i> , 15:381-6 (1994)	
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A43		Cataldo <i>et al.</i> , "Lysosomal Hydrolases of Different Classes Are Abnormally Distributed in Brains of Patients with Alzheimer Disease," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 88:10998-11002 (1991)	
A44		Chandrasekaran <i>et al.</i> , "Impairment in Mitochondrial Cytochrome Oxidase Gene Expression in Alzheimer Disease," <i>Mol. Brain Res.</i> 24(1-4):336-40 (1994)	
A45		Cheetham <i>et al.</i> , "Gap-43 Message Levels in Anterior Cerebellum in Alzheimer's Disease," <i>Mol. Brain Res.</i> , 36:145-151 (1996)	
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A47		Cheetham <i>et al.</i> , "Isolation of Single Immunohistochemically Identified Whole Neuronal Cell Bodies From Post-Mortem Human Brain for Simultaneous Analysis of Multiple Gene Expression," <i>J. Neurosci. Methods</i> , 77:43-48 (1997)	
A48		Chow <i>et al.</i> , "Altered Expression of Neurofilament-M Message in Single Neurons of Alzheimer's Disease Brain, 27 <sup>th</sup> Annual Meeting of Soc. Neuroscience, October 25-30, (1997)	
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A51		Citron <i>et al.</i> , "Evidence that the 42- and 40-Amino Acid Forms of Amyloid $\beta$ Protein are Generated from the $\beta$ -Amyloid Precursor Protein by Different Protease Activities," <i>Proc. Nat'l Acad. Sci. U.S.A.</i> , 93(23):13170-5 (1996)	
A52		Coleman <i>et al.</i> , "Neuron Numbers and Dendritic Extent in Normal Aging and Alzheimer's Disease," <i>Neurobiol. Aging</i> , 8:521-545 (1987)	
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A54		Craig, "Developmental Expression of Morphoregulatory Genes in the Mouse Embryo: An Analytical Approach Using A Novel Technology," <i>Biochem. and Mol. Med.</i> , 60:81-91 (1997)	
A55		Crino <i>et al.</i> , "Embryonic Neuronal Markers in Tuberous Sclerosis: Single-Cell Molecular Pathology," <i>Proc. Nat'l. Acad. Sci. U.S.A.</i> , 93(24):14152-7 (1996)	
A56		Cummings <i>et al.</i> , "Neurobiology of Aging. Cytoskeletal Neurofilament Gene Expression in Brain Tissue From Alzheimer's Disease Patients. I. Decrease in NF-L and NF-M Message," <i>J. Ger. Psyc. Neurol.</i> , 7(3): 153-8 (1996)	
A57		Dahlstrand <i>et al.</i> , "Characterization of the Human Nestin Gene Reveals A Close Evolutionary Relationship to Neurofilaments," <i>J. Cell Sci.</i> , 103:589-597 (1992)	
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A59		Davies <i>et al.</i> , "Reduced Somatostatin-Like Immunoreactivity in Cerebral Cortex From Cases of Alzheimer's Disease and Alzheimer Senile Dementia," <i>Nature</i> , 288(5788):279-80 (1980)	
A60		Davis <i>et al.</i> , "Monoclonal Antibodies to Mitotic Cells," <i>Proc. Nat'l. Acad. Sci. U.S.A.</i> , 80:2926-2930 (1983)	
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A62		DeKosky <i>et al.</i> , "Synapse Loss in Frontal Cortex Biopsies in Alzheimer's Disease: Correlation With Cognitive Severity," <i>Ann. Neurol.</i> , 27:457-464 (1990)	
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A64		Dragunow <i>et al.</i> , "In situ Evidence for DNA Fragmentation in Huntington's Disease Striatum and Alzheimer's Disease Temporal Lobes," <i>Neuroreport.</i> , 6:1053-7 (1995)	
A65		Drewes <i>et al.</i> , "Microtubule-Associated Protein/Microtubule Affinity-Regulating Kinase (p110 <sup>mark</sup> )", <i>J. Bio. Chem.</i> , 270:7679-7688 (1995)	
A66		Drewes <i>et al.</i> , "Mitogen Activated protein (MAP) Kinase Transforms Tau Protein Into An Alzheimer-like State," <i>EMBO J.</i> , 11:2131-2138 (1992)	
A67		Duguid <i>et al.</i> , "Heterogeneity of brain gene expression in Alzheimer's disease," <i>Annals New York Acad. Sci.</i> , 679:178-187 (1993)	
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A69		Enoch <i>et al.</i> , "Cellular Responses to DNA Damage: Cell Cycle Checkpoints, Apoptosis and the Roles of p53 and ATM," <i>Trends in Biochem. Sci.</i> , 20(10):426-30 (1995)	
A70		Evan <i>et al.</i> , "Apoptosis and the Cell Cycle," <i>Curr. Opin. Cell Biol.</i> , 7(6):825-34 (1995)	
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A72		Flanders <i>et al.</i> , "Altered Expression of Transforming Growth Factor- $\beta$ In Alzheimer's Disease," <i>Neurology</i> , 45:1561-1569 (1995)	
A73		Forloni, "Neurotoxicity of $\beta$ -Amyloid and Prion Peptides," <i>Cur. Opin. Neurol.</i> , 9(6):492-500 (1996)	
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A75		Freeman, "The Cell Cycle and Neuronal Cell Death," <i>Cell Death in Diseases of the Nervous System</i> , Koliatsos, eds., Humana Press, 103-119.	
A76		Games <i>et al.</i> , "Alzheimer-Type Neuropathology in Transgenic Mice Overexpressing V717F $\beta$ -Amyloid Precursor Protein," <i>Nature</i> , 373(6514):523-7 (1995)	
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A78		German <i>et al.</i> , "Alzheimer's Disease: Neurofibrillary Tangles in Nuclei That Project to the Cerebral Cortex," <i>Neuroscience</i> , 21(2):305-12 (1987)	
A79		Ghasemzadeh <i>et al.</i> , "Multiplicity of Glutamate Receptor Subunits in Single Striatal Neurons: An RNA Amplification Study," <i>Mol. Pharmacol.</i> , 49:852-9 (1996)	
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A81		Glenner <i>et al.</i> , "Alzheimer's disease: Initial Report of the Purification and Characterization of a Novel Cerebrovascular Amyloid Protein," Biochem. Biophys. Res. Comm., 120(3):885-90 (1984)	
A82		Goedert <i>et al.</i> , "p42 Map Kinase Phosphorylation Sites in Microtubule-Associated Protein Tau are Dephosphorylated by Protein Phosphatase 2A.sub.1," FEBS., 312:95-99 (1992)	
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A87		Gong <i>et al.</i> , "Phosphoprotein Phosphatase Activities in Alzheimer Disease Brain," J. Neurochem., 61:921-927 (1993)	
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A101		Hata <i>et al.</i> , "Up-regulation of calcineurin A $\beta$ mRNA in the Alzheimer's disease brain: assessment by cDNA microarray," Biochem Biophys Res Commun. Jun 8;284(2):310-6 (2001)	
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A103		Hiller <i>et al.</i> , "Generation and Analysis of 280,000 Human Expressed Sequence," GeneBank Accession No. 49404	
A104		Hiller <i>et al.</i> , "Generation and Analysis of 280,000 Human Expressed Sequence," GeneBank Accession No. AA113937	
A105		Hiller <i>et al.</i> , "Generation and Analysis of 280,000 Human Expressed Sequence Tags," GeneBank Accession No. T40002	
A106		Hiller <i>et al.</i> , "Generation and Analysis of 280,000 Human Expressed Sequence," GeneBank Accession No. T63957	
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